

PATENT ABSTRACTS OF JAPAN

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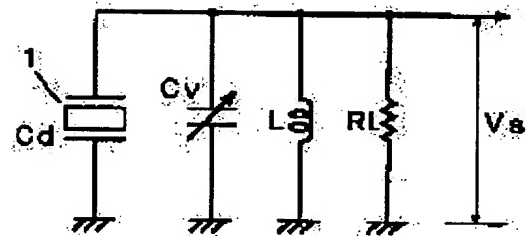
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(54) ULTRASONIC CIRCUIT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an ultrasonic circuit which makes it possible to obtain high-frequency selectability at a reception frequency and to obtain a maximum reception output voltage.

SOLUTION: This ultrasonic circuit is constituted by connecting an inductor L, a variable capacitor Cv and a load resistor RL respectively parallel to an ultrasonic vibrator transducer 1 and regulates the capacitance of the variable capacitor Cv in such a manner as to tune the resonance frequency of a resonance circuit composed of an electrostatic capacitor Cd, the inductance of an inductor L and the variable capacitor Cv of the ultrasonic vibrator transducer 1 itself with the reception frequency. As a result, disturbance may be removed and the output voltage of the reception signal may be efficiently obtained.



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